

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003018.D
 Acq On : 29 Jun 2020 19:54
 Operator : SY/MD
 Sample : L2806-01
 Misc : 6.69G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-06-062620

Quant Time: Jun 30 07:26:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	259001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	378425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	316032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	145622	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	97199	37.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.58%	
35) Dibromofluoromethane	7.72	113	110703	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
50) Toluene-d8	10.18	98	440516	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.48	95	132989	42.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.92%	

Target Compounds

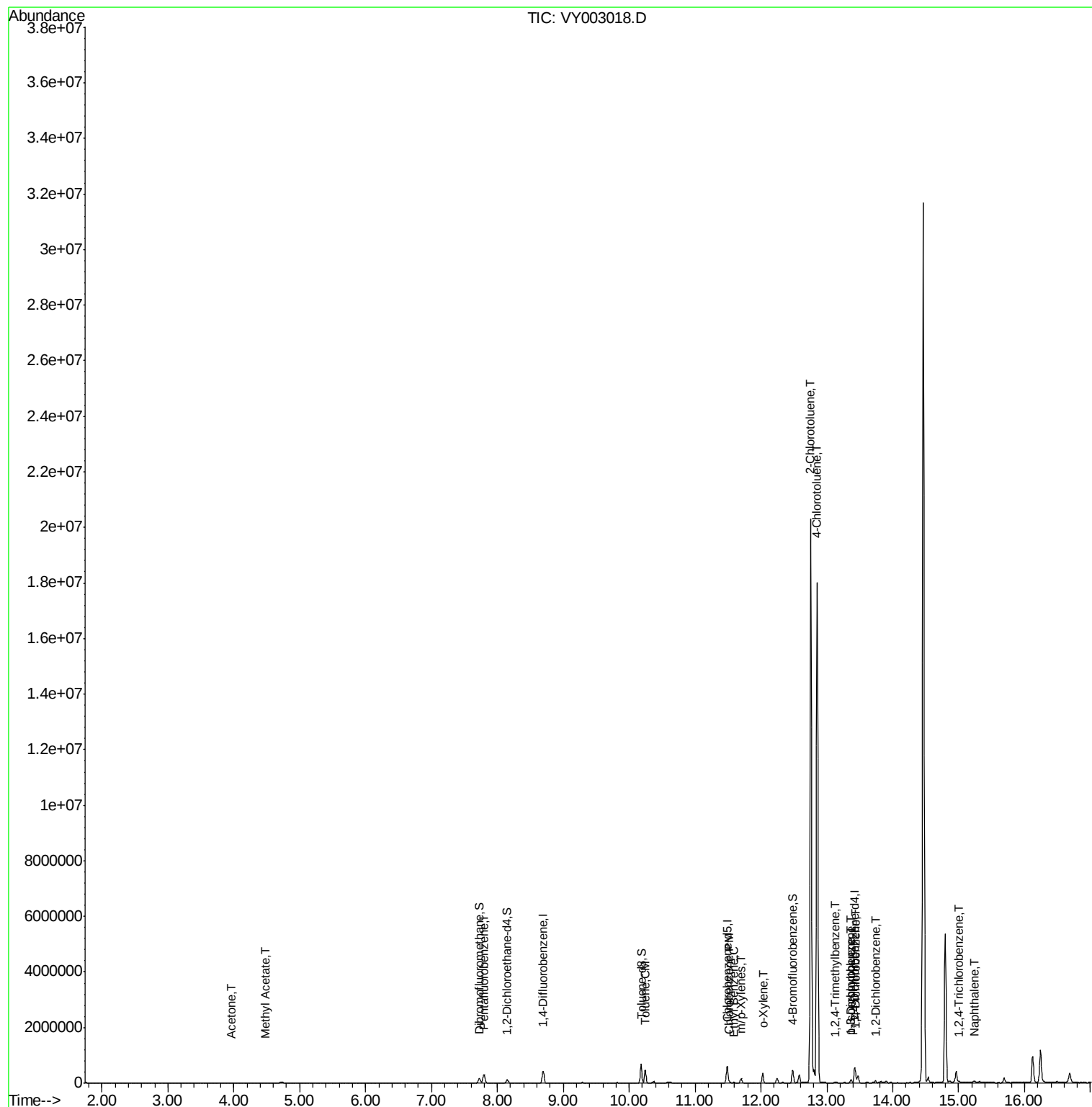
						Qvalue
16) Acetone	3.96	43	7214	11.891	ug/l	98
18) Methyl Acetate	4.48	43	2528	1.547	ug/l	92
52) Toluene	10.25	92	199792	31.803	ug/l	99
65) Chlorobenzene	11.52	112	30663	4.921	ug/l	100
67) Ethyl Benzene	11.59	91	27878	2.445	ug/l	99
68) m/p-Xylenes	11.70	106	52510	12.376	ug/l	100
69) o-Xylene	12.03	106	95825	23.967	ug/l	99
79) 2-Chlorotoluene	12.75	91	10614470	1659.133	ug/l	95
82) 4-Chlorotoluene	12.85	91	9677344	1452.856	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	14316	1.776	ug/l	97
86) p-Isopropyltoluene	13.37	119	59460	6.630	ug/l	96
87) 1,3-Dichlorobenzene	13.36	146	7724	1.693	ug/l	91
88) 1,4-Dichlorobenzene	13.44	146	59427	13.210	ug/l	96
91) 1,2-Dichlorobenzene	13.73	146	36126	8.826	ug/l	96
93) 1,2,4-Trichlorobenzene	15.01	180	6287	2.067	ug/l #	86
95) Naphthalene	15.23	128	47234	8.503	ug/l	97

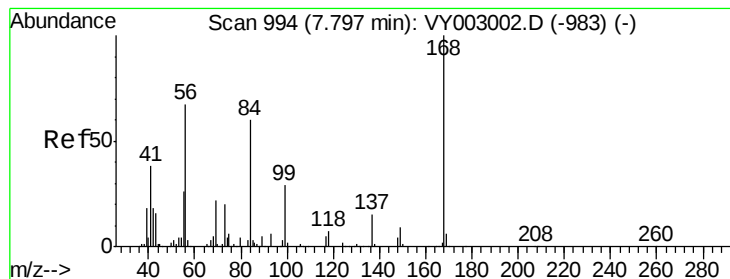
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003018.D

Acq: 29 Jun 2020 19:54

Instrument :

MSVOA_Y

ClientSampleId :

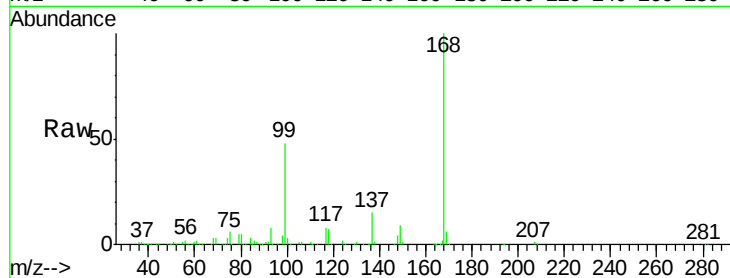
AU-06-062620

Tot Ion:168 Resp: 259001

Ion Ratio Lower Upper

168 100

99 48.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003018.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003018.D (-945) (-)

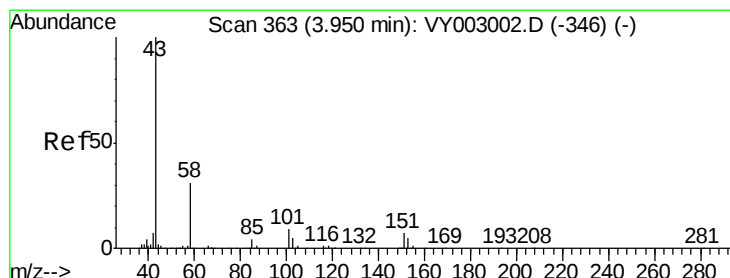
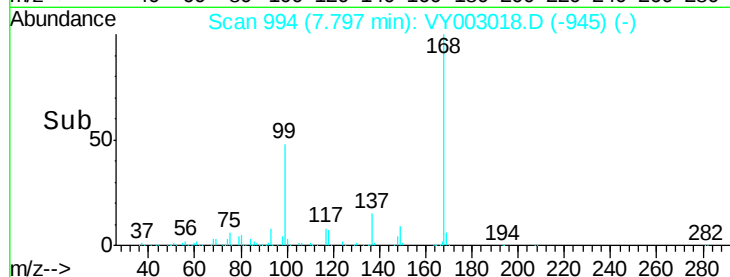
7.80

100000

50000

0

Time-->



#16

Acetone

Concen: 11.891 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003018.D

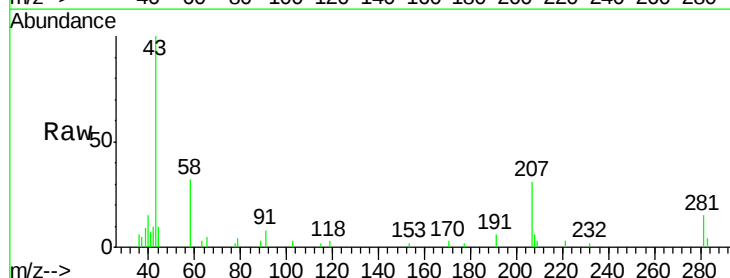
Acq: 29 Jun 2020 19:54

Tgt Ion: 43 Resp: 7214

Ion Ratio Lower Upper

43 100

58 32.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003018.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003018.D (-314) (-)

3.96

3000

2500

2000

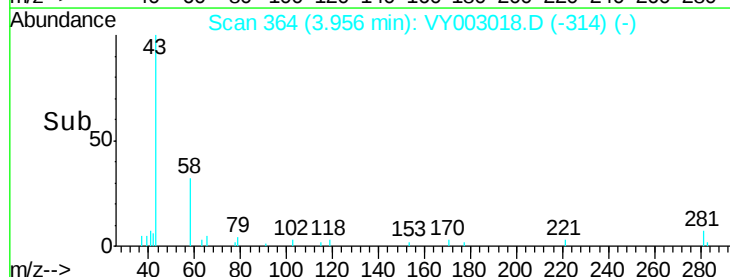
1500

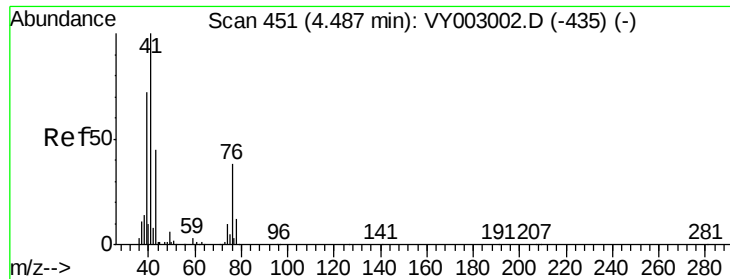
1000

500

0

Time-->

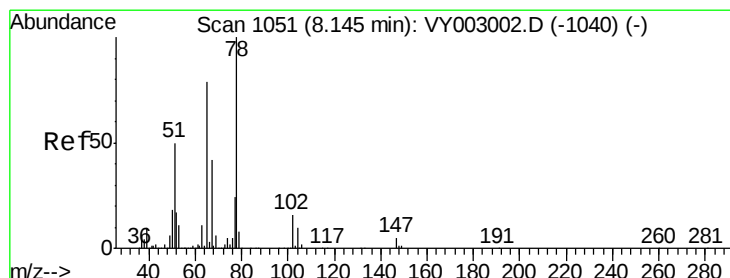
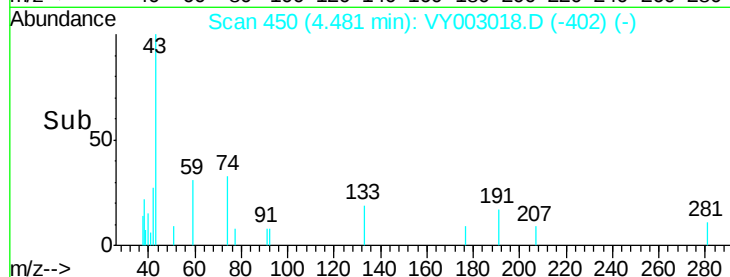
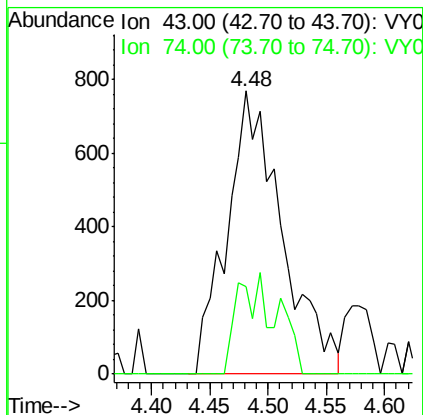
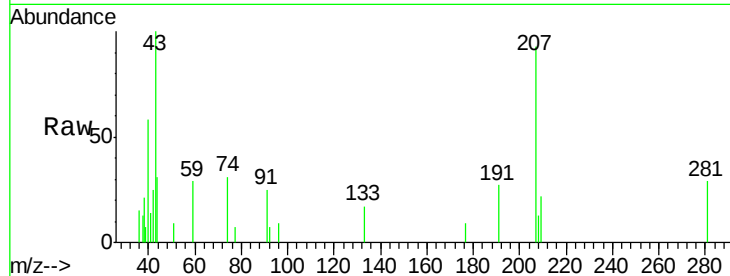




#18
Methyl Acetate
Concen: 1.547 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY003018.D
Acq: 29 Jun 2020 19:54

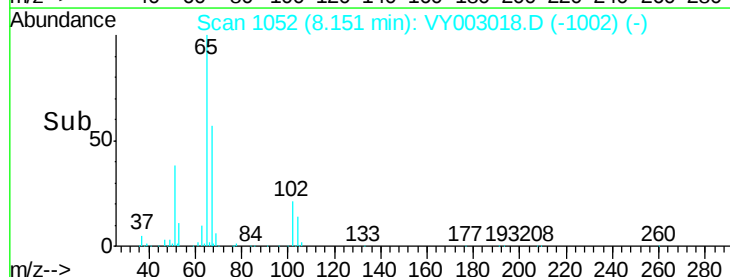
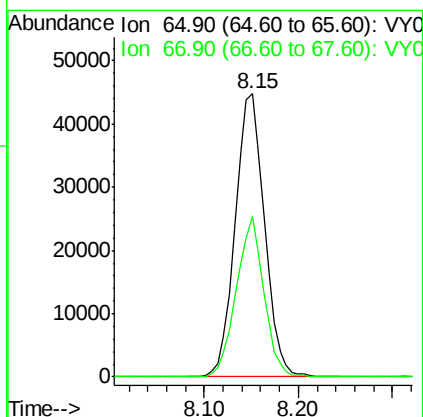
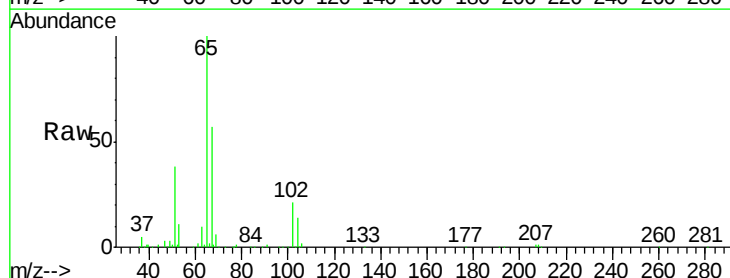
Instrument :
MSVOA_Y
ClientSampled :
AU-06-062620

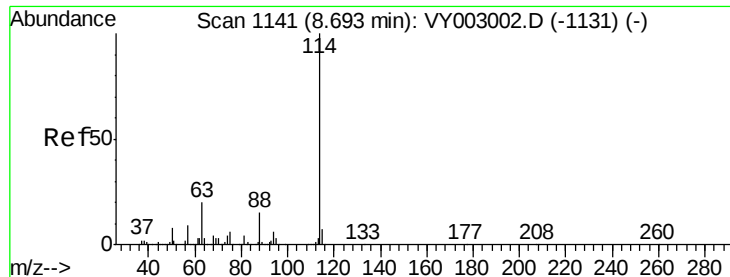
Tot Ion: 43 Resp: 2528
Ion Ratio Lower Upper
43 100
74 18.7 18.2 27.4



#33
1,2-Dichloroethane-d4
Concen: 37.785 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003018.D
Acq: 29 Jun 2020 19:54

Tgt Ion: 65 Resp: 97199
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003018.D

Acq: 29 Jun 2020 19:54

Instrument :

MSVOA_Y

ClientSampleId :

AU-06-062620

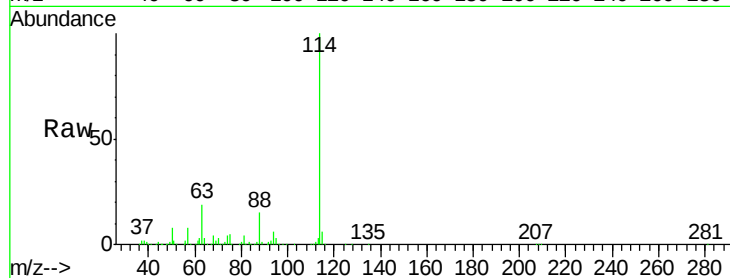
Tot Ion:114 Resp: 378425

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.6

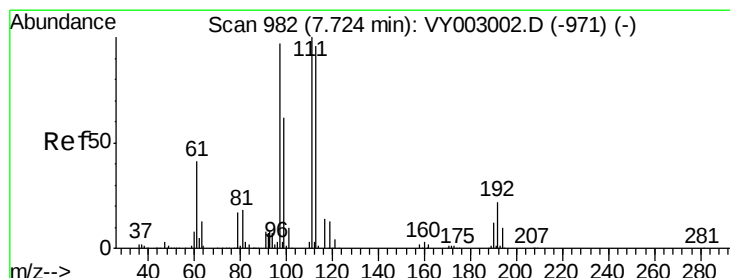
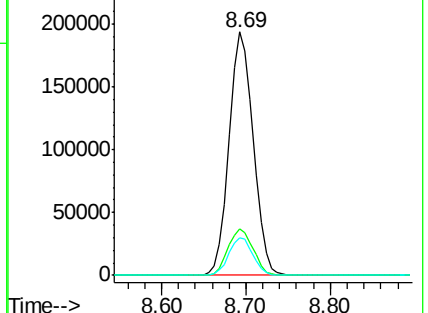
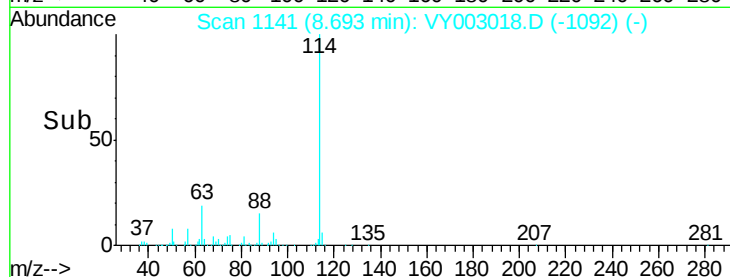
88 15.2 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 46.895 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003018.D

Acq: 29 Jun 2020 19:54

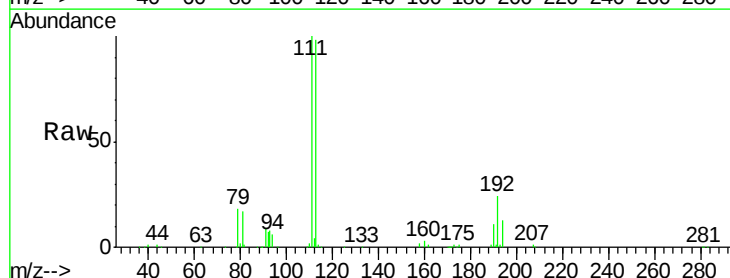
Tgt Ion:113 Resp: 110703

Ion Ratio Lower Upper

113 100

111 104.3 82.6 123.8

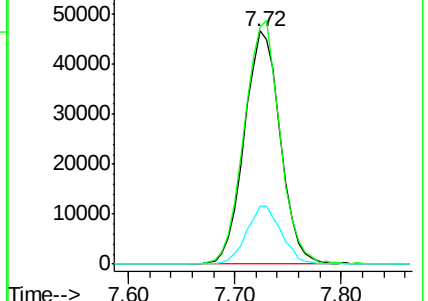
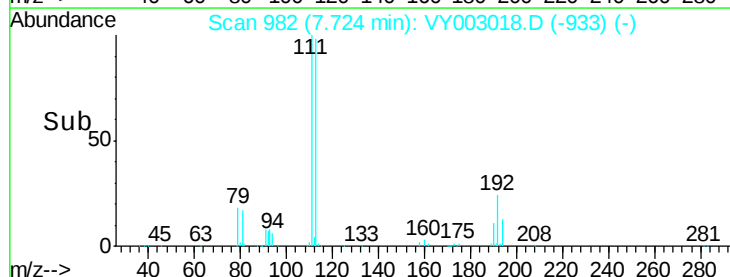
192 24.3 18.1 27.1

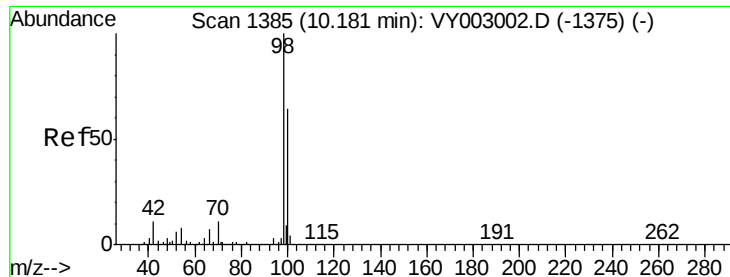


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.089 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003018.D

Acq: 29 Jun 2020 19:54

Instrument :

MSVOA_Y

ClientSampleId :

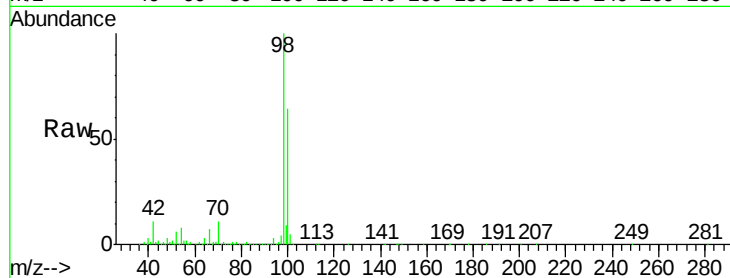
AU-06-062620

Tot Ion: 98 Resp: 440516

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

250000

200000

150000

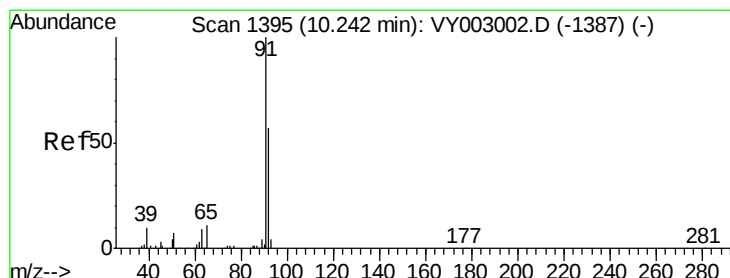
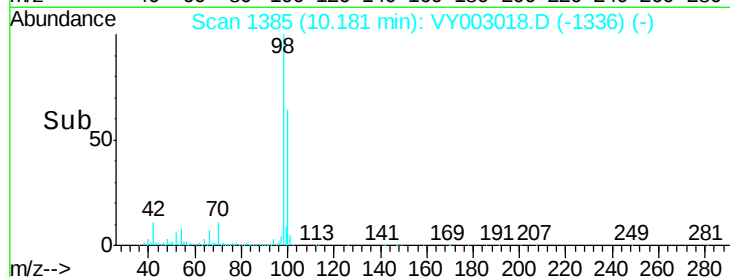
100000

50000

0

Time-->

10.10 10.20 10.30



#52

Toluene

Concen: 31.803 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY003018.D

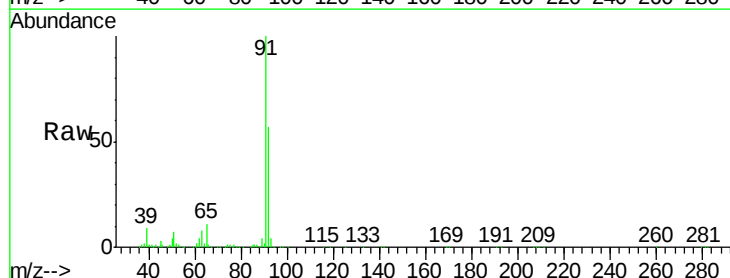
Acq: 29 Jun 2020 19:54

Tgt Ion: 92 Resp: 199792

Ion Ratio Lower Upper

92 100

91 176.0 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

200000

150000

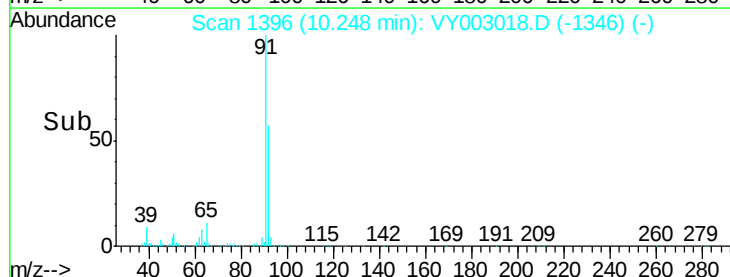
100000

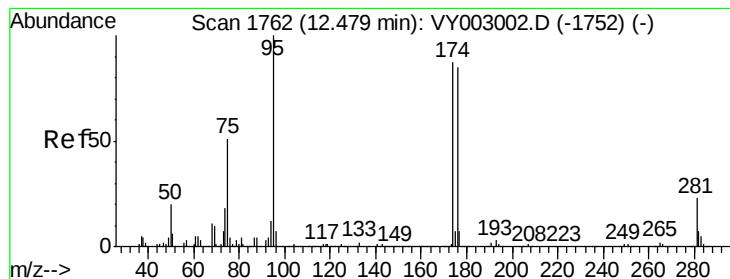
50000

0

Time-->

10.20 10.30





#62

4-Bromofluorobenzene

Concen: 42.959 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003018.D

Acq: 29 Jun 2020 19:54

Instrument :

MSVOA_Y

ClientSampleId :

AU-06-062620

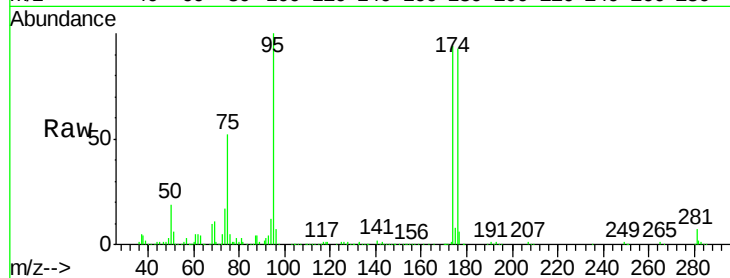
Tot Ion: 95 Resp: 132989

Ion Ratio Lower Upper

95 100

174 95.7 0.0 184.8

176 92.5 0.0 183.0



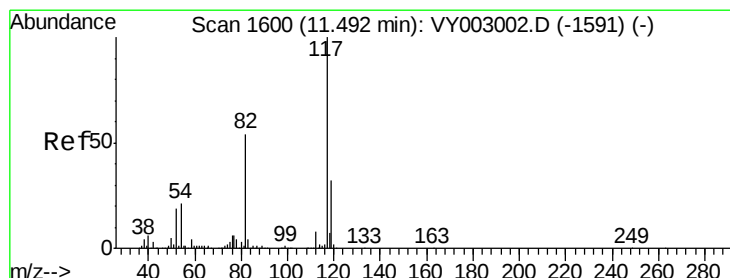
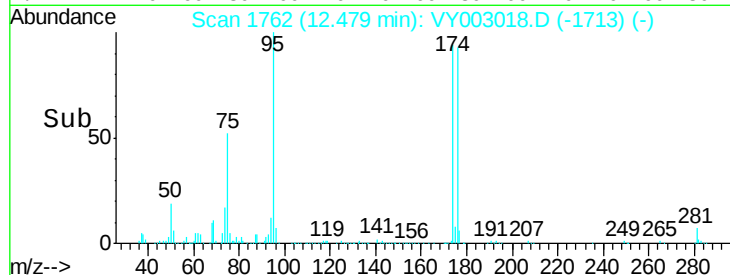
Abundance Ion 94.90 (94.60 to 95.60): VY003018.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003018.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003018.D (-1713) (-)

12.48

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003018.D

Acq: 29 Jun 2020 19:54

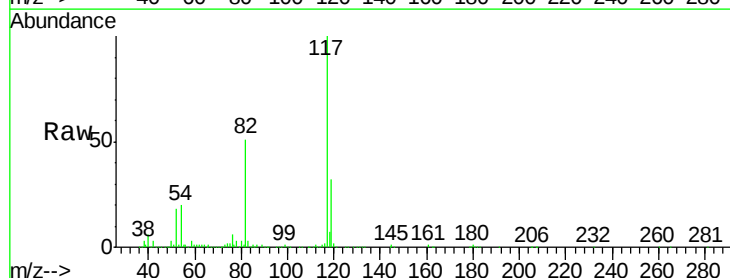
Tgt Ion: 117 Resp: 316032

Ion Ratio Lower Upper

117 100

82 51.1 43.0 64.6

119 31.8 25.8 38.8



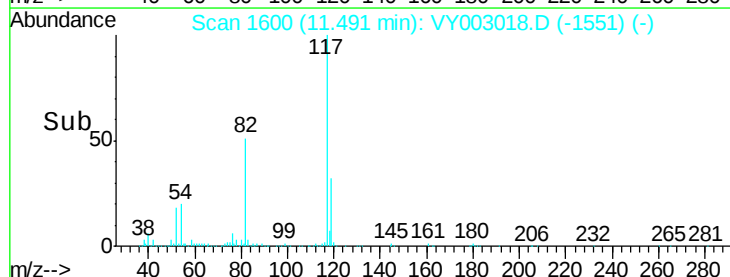
Abundance Ion 116.90 (116.60 to 117.60): VY003018.D (-1551) (-)

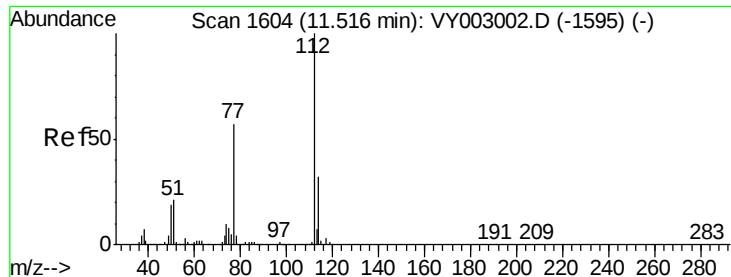
Ion 82.00 (81.70 to 82.70): VY003018.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003018.D (-1551) (-)

11.49

Time-->

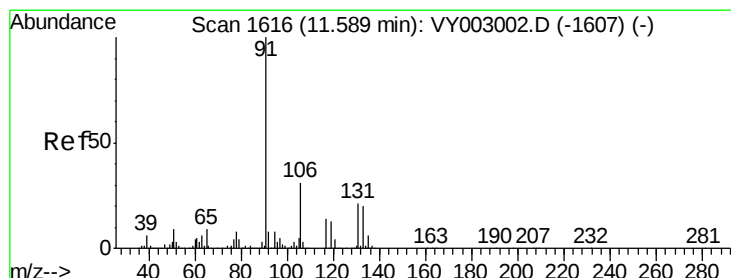
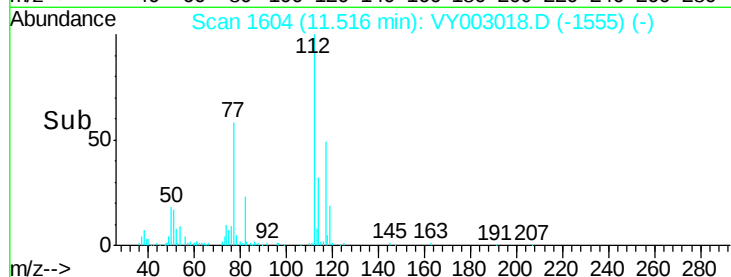
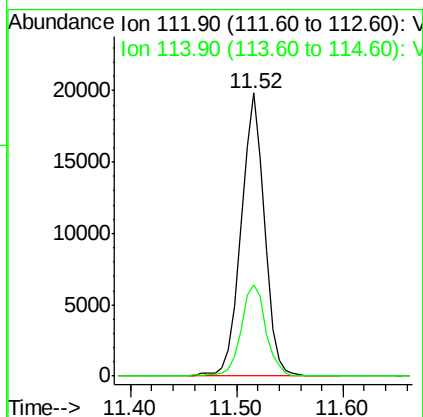
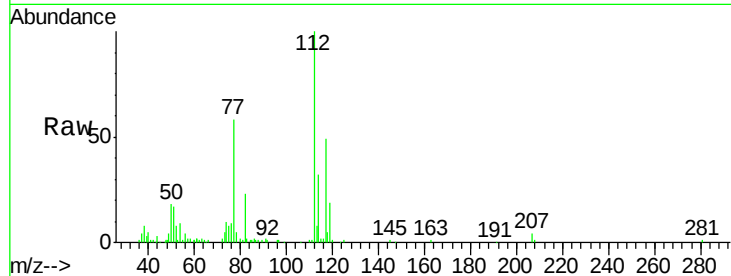




#65
Chlorobenzene
Concen: 4.921 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003018.D
Acq: 29 Jun 2020 19:54

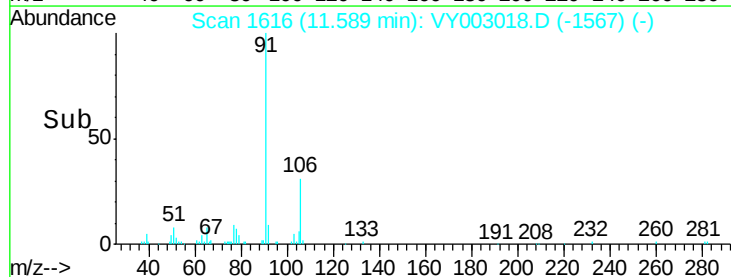
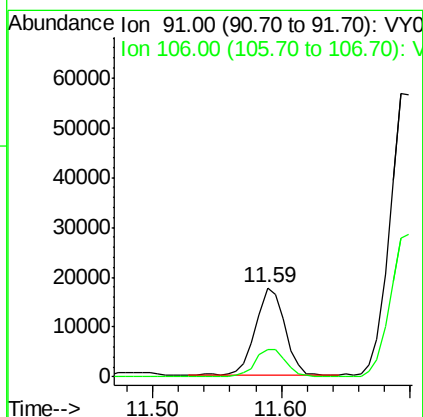
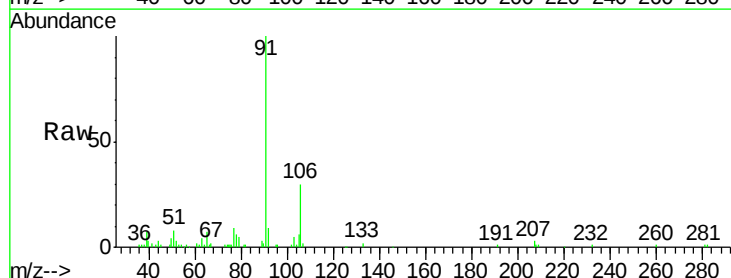
Instrument :
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ClientSampleId :
AU-06-062620

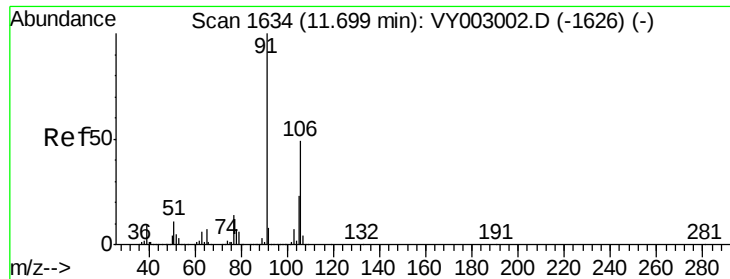
Tot Ion:112 Resp: 30663
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5



#67
Ethyl Benzene
Concen: 2.445 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003018.D
Acq: 29 Jun 2020 19:54

Tgt Ion: 91 Resp: 27878
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4





#68

m/p-Xvlenes

Concen: 12.376 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003018.D

Acq: 29 Jun 2020 19:54

Instrument :

MSVOA_Y

ClientSampleId :

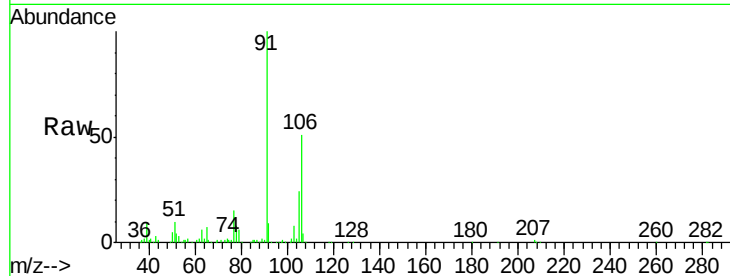
AU-06-062620

Tot Ion:106 Resp: 52510

Ion Ratio Lower Upper

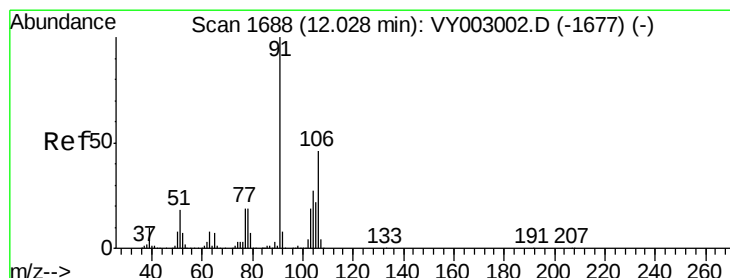
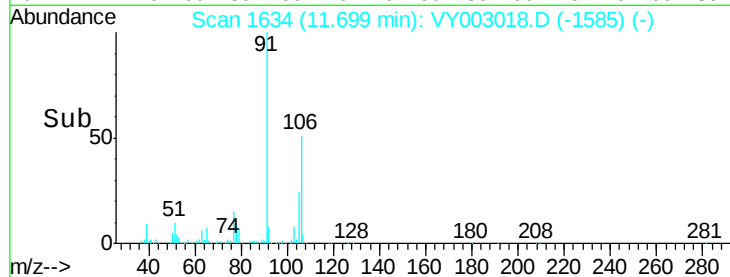
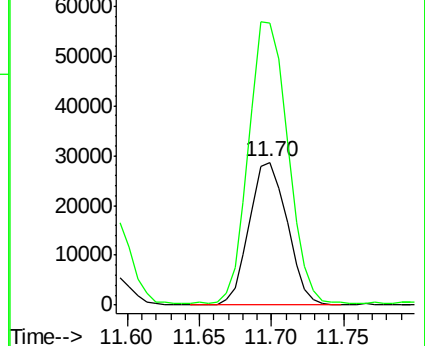
106 100

91 202.4 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 23.967 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003018.D

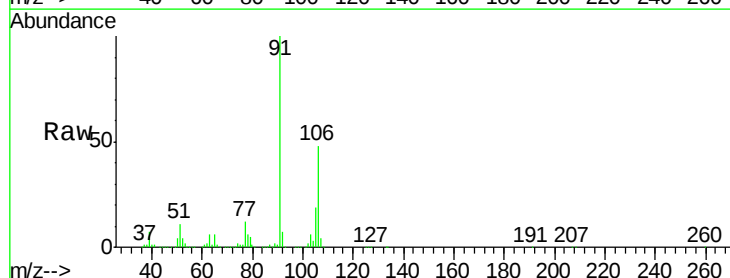
Acq: 29 Jun 2020 19:54

Tgt Ion:106 Resp: 95825

Ion Ratio Lower Upper

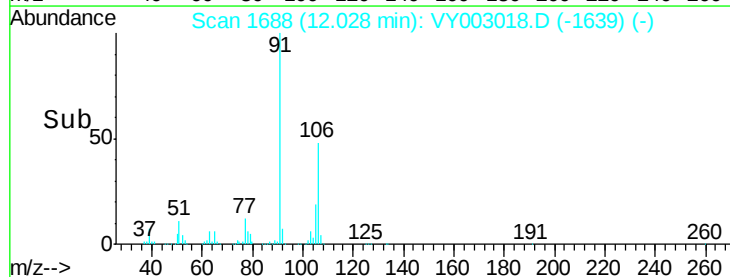
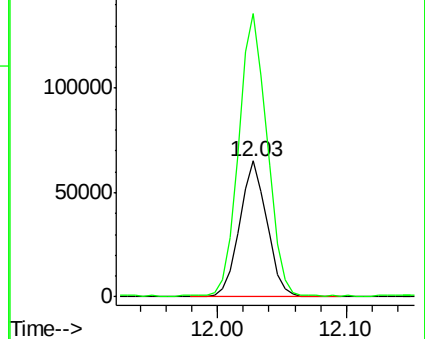
106 100

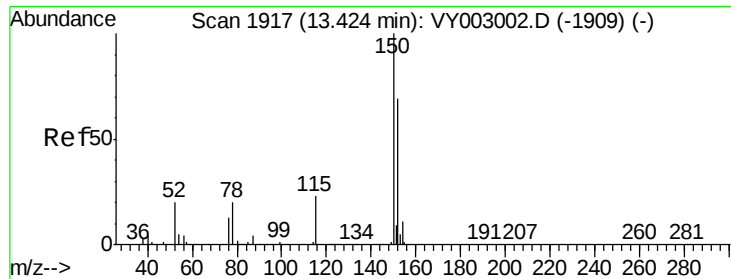
91 213.8 107.9 323.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



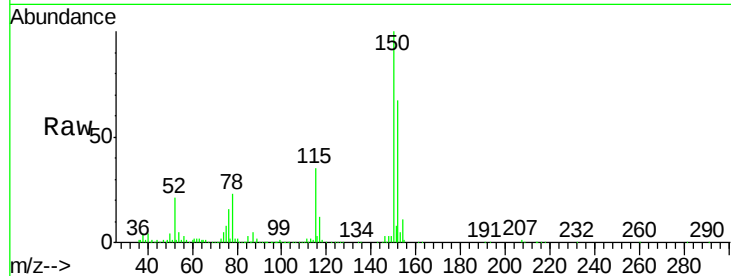


#72

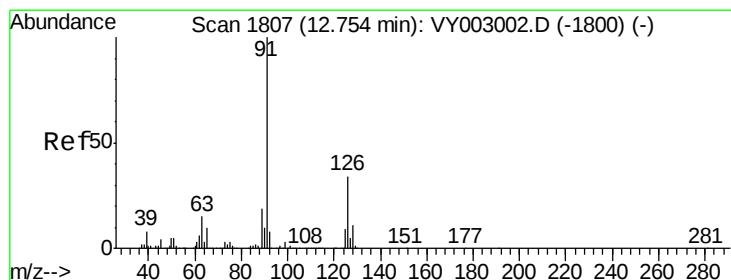
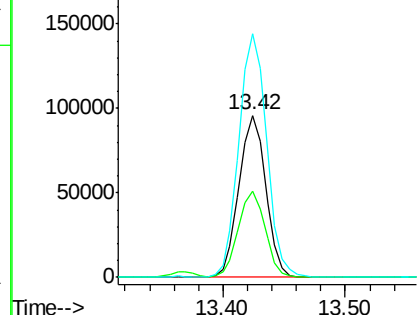
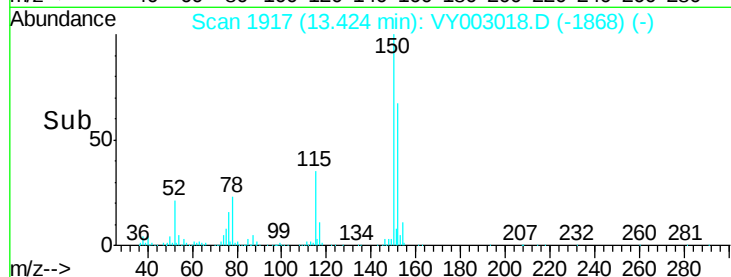
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003018.D
Acq: 29 Jun 2020 19:54

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-062620

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.3	81.9
150	155.2	0.0	343.4



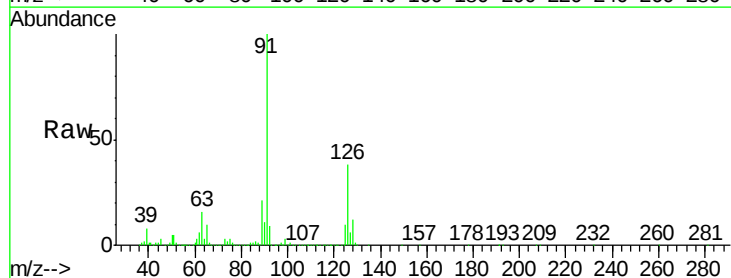
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



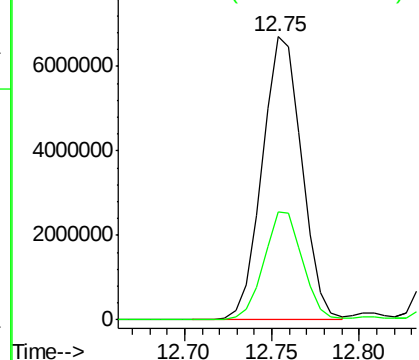
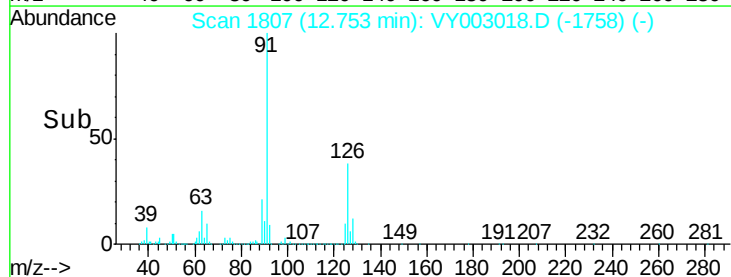
#79

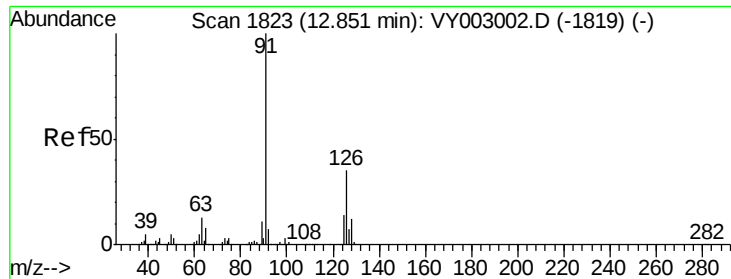
2-Chlorotoluene
Concen: 1659.133 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY003018.D
Acq: 29 Jun 2020 19:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.2	17.1	51.3



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V





#82

4-Chlorotoluene

Concen: 1452.856 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003018.D

Acq: 29 Jun 2020 19:54

Instrument :

MSVOA_Y

ClientSampleId :

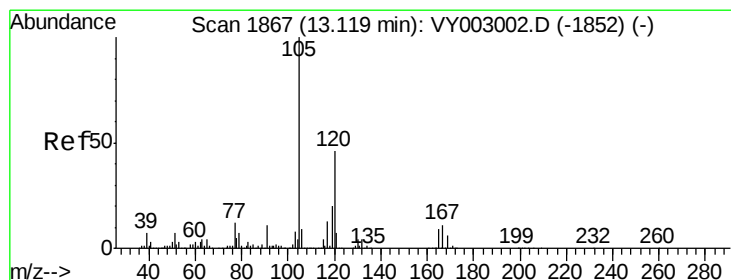
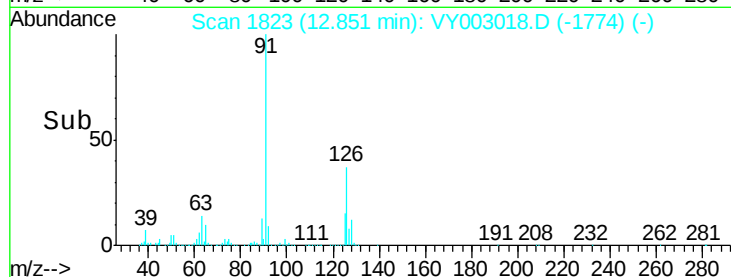
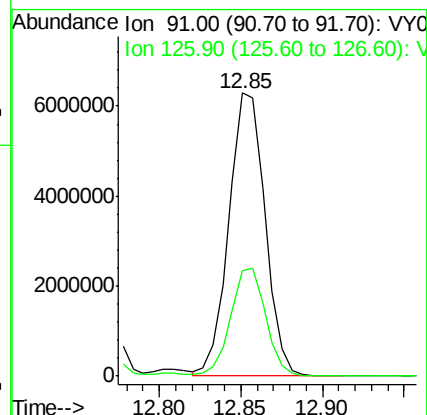
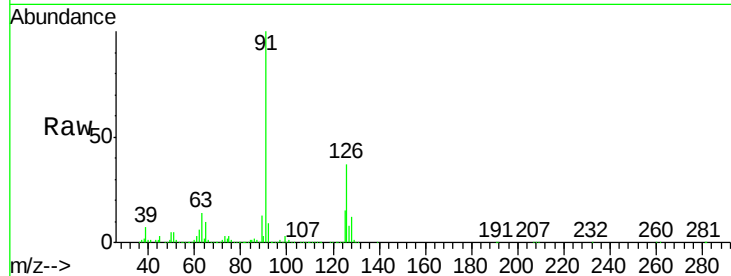
AU-06-062620

Tot Ion: 91 Resp: 9677344

Ion Ratio Lower Upper

91 100

126 36.9 17.4 52.3



#84

1,2,4-Trimethylbenzene

Concen: 1.776 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003018.D

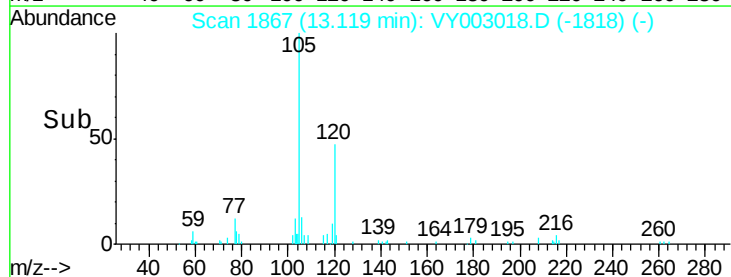
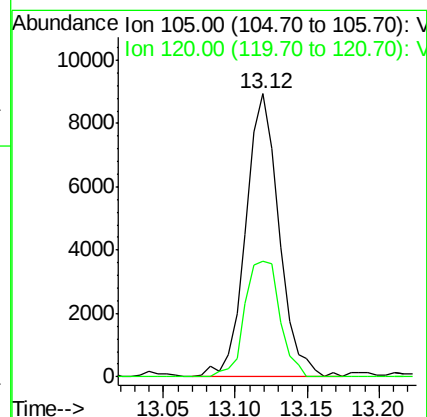
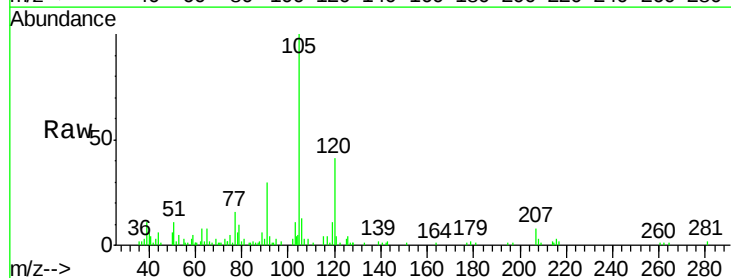
Acq: 29 Jun 2020 19:54

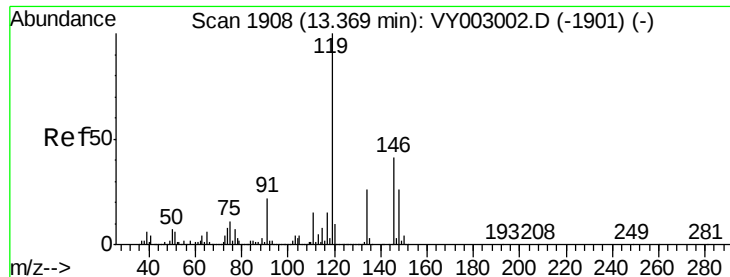
Tgt Ion:105 Resp: 14316

Ion Ratio Lower Upper

105 100

120 43.0 22.6 67.8

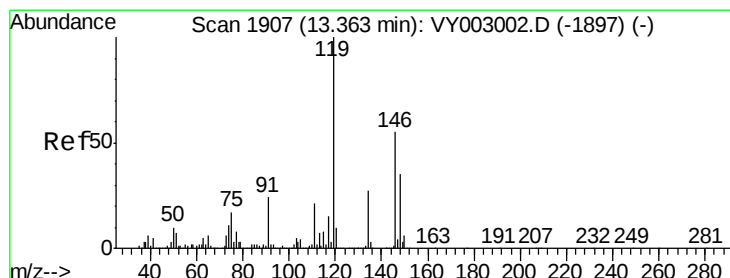
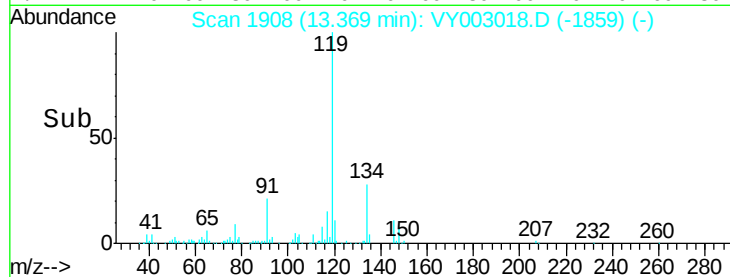
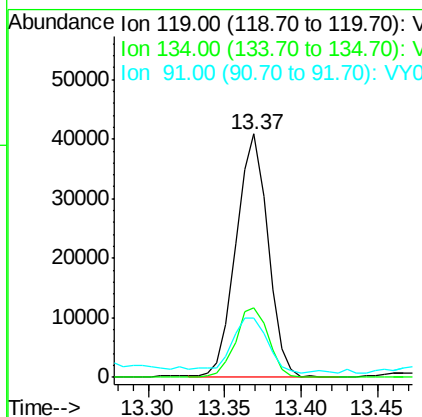
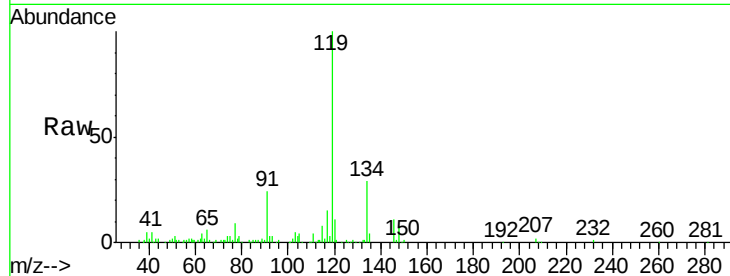




#86
p-Isopropyltoluene
Concen: 6.630 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY003018.D
Acq: 29 Jun 2020 19:54

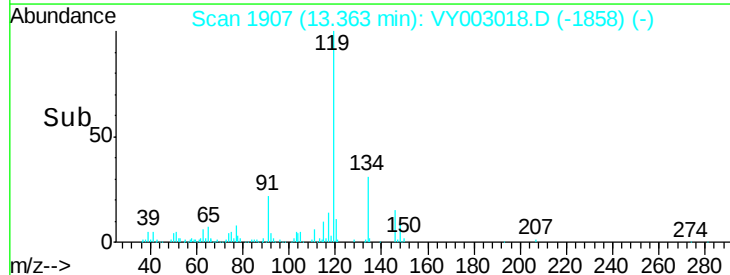
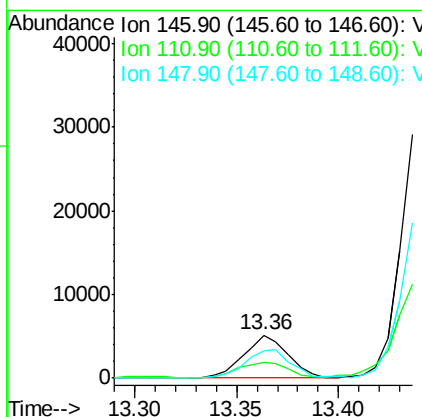
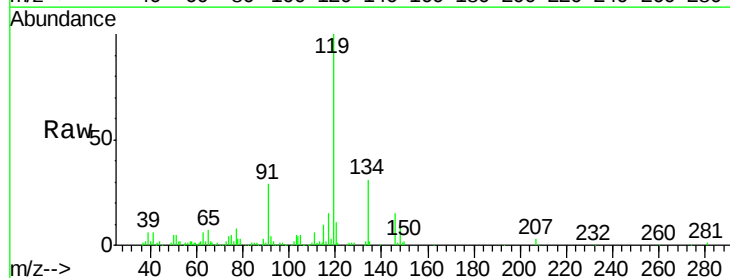
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-062620

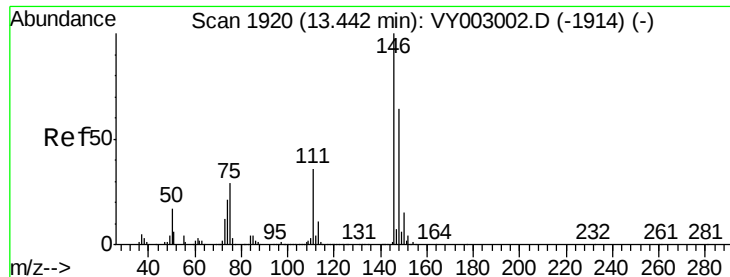
Tot Ion	Ratio	Lower	Upper
119	100		
134	29.3	13.5	40.4
91	24.7	11.5	34.5



#87
1,3-Dichlorobenzene
Concen: 1.693 ug/l
RT: 13.36 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VY003018.D
Acq: 29 Jun 2020 19:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	18.8	56.3
148	70.3	31.8	95.3

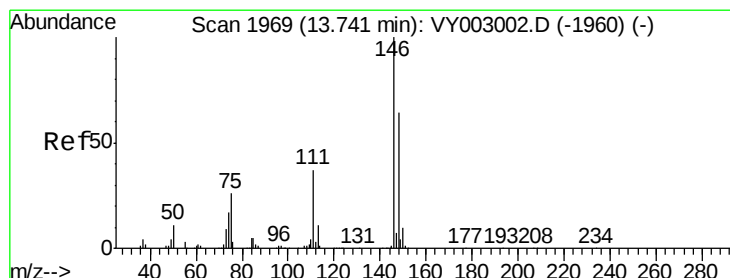
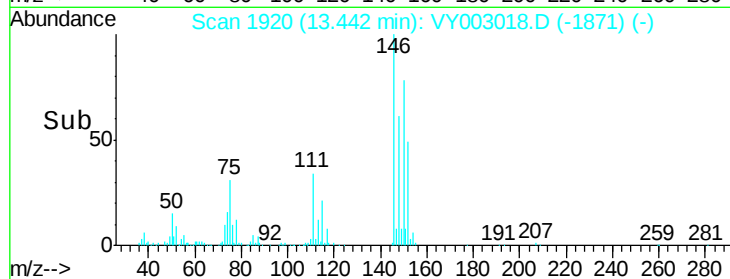
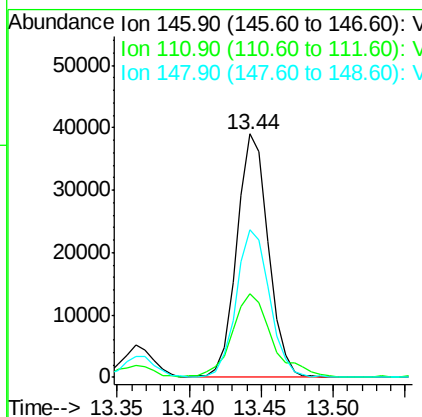
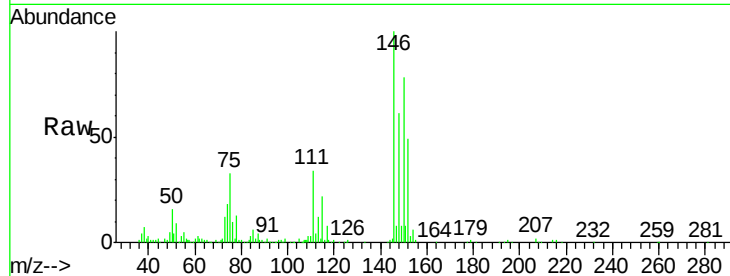




#88
 1,4-Dichlorobenzene
 Concen: 13.210 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003018.D
 Acq: 29 Jun 2020 19:54

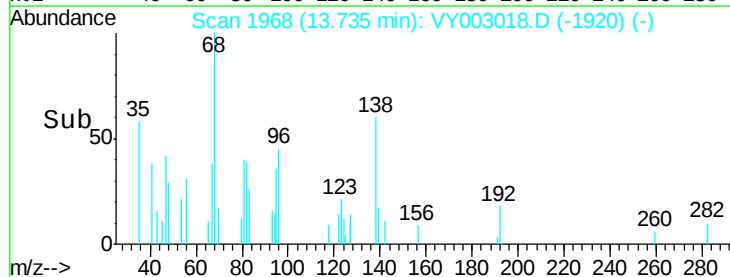
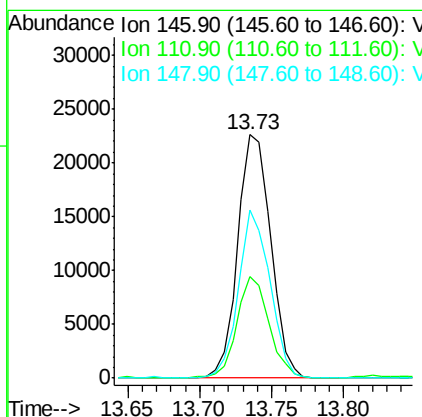
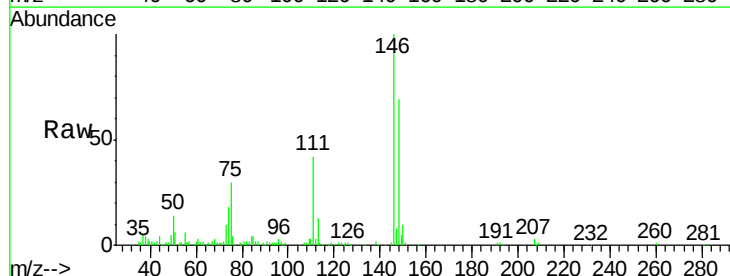
Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-06-062620

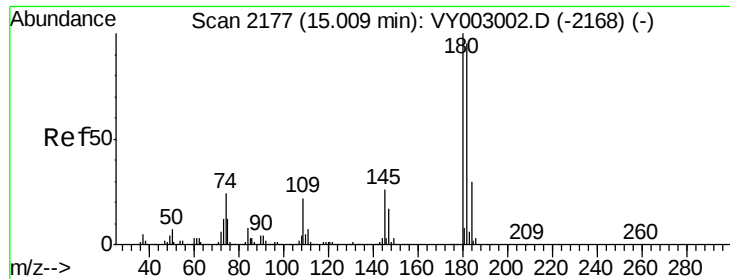
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	18.4	55.4
148	64.5	32.3	96.9



#91
 1,2-Dichlorobenzene
 Concen: 8.826 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY003018.D
 Acq: 29 Jun 2020 19:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.1	57.5
148	66.0	31.8	95.3

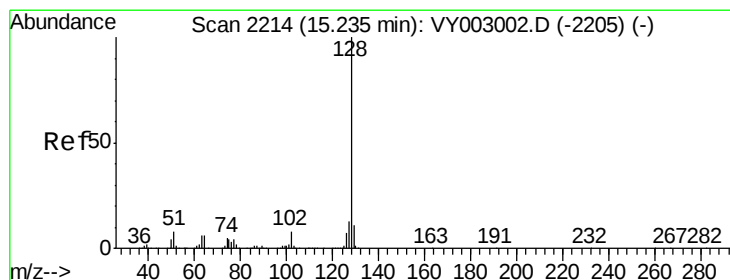
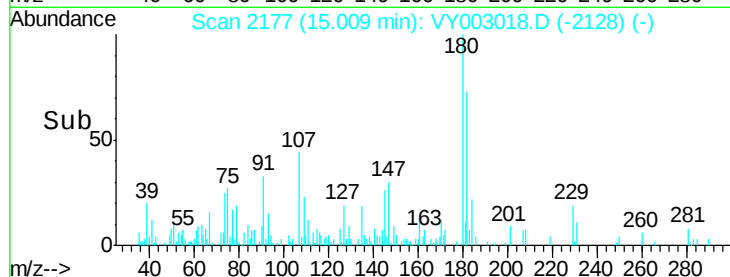
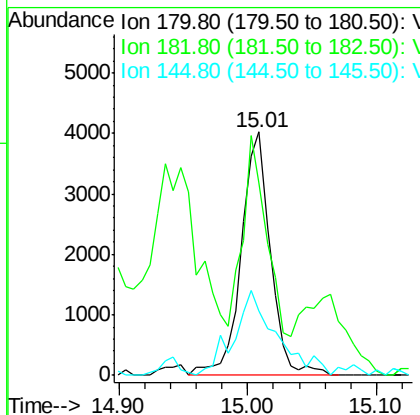
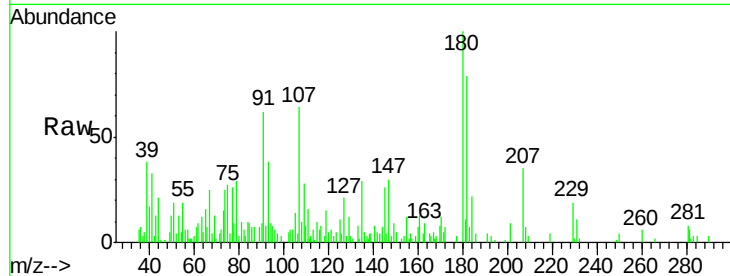




#93
 1,2,4-Trichlorobenzene
 Concen: 2.067 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003018.D
 Acq: 29 Jun 2020 19:54

Instrument :
 MSVOA_Y
 ClientSampled :
 AU-06-062620

Tot Ion:180 Resp: 6287
 Ion Ratio Lower Upper
 180 100
 182 91.3 48.1 144.3
 145 51.2 13.9 41.6#



#95
 Naphthalene
 Concen: 8.503 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY003018.D
 Acq: 29 Jun 2020 19:54

Tgt Ion:128 Resp: 47234
 Ion Ratio Lower Upper
 128 100
 127 14.4 10.8 16.2
 129 12.1 8.8 13.2

